

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number
WO 2005/049796 A3

(51) International Patent Classification:
C07H 21/04 (2006.01)

(21) International Application Number:
PCT/US2004/037587

(22) International Filing Date:
13 November 2004 (13.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/520,366 14 November 2003 (14.11.2003) US

(71) Applicants (for all designated States except US):
BIOVENTURES, INC. [US/US]; 1435 Kensington Square Court, Murfreesboro, TN 37130 (US). **VANDERBILT UNIVERSITY** [US/US]; 1207 17th Avenue South, Suite 105, Nashville, TN 37212 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **DAWSON, Elliott, P.** [US/US]; 1523 Kensington Drive, Murfreesboro, TN 37130 (US). **WOMBLE, Kristie, E.** [US/US]; 201 Gillespie Drive, #14204, Franklin, TN 37067 (US). **PHILLIPS, John, A.** [US/US]; 5315 Lancelot Road, Brentwood, TN 37027 (US).

(74) Agents: **FARAH, David, A.** et al; Sheldon & Mak PC, 225 South Lake Avenue, Suite 900, Pasadena, CA 91101 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:
9 March 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CHROMOSOME 5 GENETIC VARIANTS RELATED TO DYSLEXIA

(57) Abstract: An isolated polynucleotide or genetic material from human Chromosome 5 that indicates the presence of dyslexia or a predisposition to develop dyslexia in the individual from whom the sample was obtained. A method of diagnosing dyslexia or a predisposition to develop dyslexia.



WO 2005/049796 A3